

# ARCHIVES

OF

## Pathology & Laboratory Medicine

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Update in neoplastic lung diseases and mesothelioma [Gordon] 1106 (Jy)

#### Carcinoma, Pancreatic Ductal

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

#### Carcinoma, Papillary

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Correction: choroid plexus carcinoma [Gopal] (letter) 680 (My)

Micropapillary variant of urothelial carcinoma in the upper urinary tract: a clinicopathologic study of 11 cases [Guo] 62 (Ja)

Papillary neoplasms of the breast: a review [Ueng] 893 (Je)

Recent developments in the pathology of renal tumors: morphology and molecular characteristics of select entities [Yan] 1026 (Jy)

#### Carcinoma, Renal Cell

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

CD10 is expressed in most epithelioid hemangioendotheliomas: a potential diagnostic pitfall [Weinreb] 1965 (De)

Guidelines for pathologic diagnosis of malignant mesothelioma: a consensus statement from the International Mesothelioma Interest Group [Husain] 1317 (Au)

Recent developments in the pathology of renal tumors: morphology and molecular characteristics of select entities [Yan] 1026 (Jy)

Sarcomatoid chromophobe renal cell carcinoma with heterologous sarcomatoid elements: a case report and review of the literature [Quiroga-Garza] 1857 (No)

#### Carcinoma, Signet Ring Cell

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

#### Carcinoma, Small Cell

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Histopathologic features and clinical outcomes in 71 cases of bladder diverticula [Tamas] 791 (My)

Protocol for the examination of specimens from patients with primary non-small cell carcinoma, small cell carcinoma, or carcinoid tumor of the lung [Butnor] 1552 (Oc)

Undifferentiated malignant neoplasms of the sinonasal tract [Wenig] 699 (My)

#### Carcinoma, Squamous Cell

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Association of cystic neck metastases and human papillomavirus-positive oropharyngeal squamous cell carcinoma [McHugh] 1798 (No)

Guidelines for pathologic diagnosis of malignant mesothelioma: a consensus statement from the International Mesothelioma Interest Group [Husain] 1317 (Au)

Histopathologic features and clinical outcomes in 71 cases of bladder diverticula [Tamas] 791 (My)

Lack of association of high-risk human papillomavirus in ocular surface squamous neoplasia in India [Mandervad] 1246 (Au)

Necrotizing sialometaplasia: a practical approach to the diagnosis [Carlson] 692 (My)

Primary intraosseous squamous cell carcinoma of the jaws: clinicopathologic presentation and prognostic factors [Huang] 1834 (No)

Undifferentiated malignant neoplasms of the sinonasal tract [Wenig] 699 (My)

#### Carcinoma, Transitional Cell

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Micropapillary variant of urothelial carcinoma in the upper urinary tract: a clinicopathologic study of 11 cases [Guo] 62 (Ja)

#### Carcinosarcoma

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

#### Cardiac Neoplasms see Heart Neoplasms

#### Cardiomyopathies

Resolution of giant cell myocarditis after extended ventricular assistance [Eid] 138 (Ja)

#### Cardiovascular Diseases

Relation between red blood cell distribution width and inflammatory biomarkers in a large cohort of unselected outpatients [Lippi] 628 (Ap) [correction, 1186 (Au)]

#### Career Choice

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Fellowship trends of pathology residents [Lagwinski] 1431 (Se)

#### Cat Diseases

Melamine-containing crystals in the urinary tracts of domestic animals: sentinel event? [Lewin-Smith] (letter) 341 (Mr)

#### β-Catenin

Prognostic value of E-cadherin, β-catenin, CD44v6, and HER2/*neu* in metastatic cutaneous adenocarcinoma [Pozdnyakova] 1285 (A-)

#### Cauda Equina

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)



## Cause of Death

Fatal head injury in children younger than 2 years in New York City and an overview of the shaken baby syndrome [Gill] 619 (Ap)  
How well do we communicate autopsy findings to next of kin? [Wurzel] (letter) [Green] (reply) 510 (Ap)  
Virtopsy: postmortem imaging of laryngeal foreign bodies [Oesterhelweg] 806 (My)

## CD10 see Neprilysin

## CD117 see Proto-Oncogene Proteins c-kit

## CD4-Positive T-Lymphocytes

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

## Cecal Neoplasms

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

## Celiac Disease

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Primary intestinal intraepithelial natural killer-like T-cell lymphoma: case report of a distinct clinicopathologic entity [Muram-Zborovskii] 133 (Ja)

## Cell Adhesion Molecules

Prognostic value of E-cadherin,  $\beta$ -catenin, CD44v6, and HER2/*neu* in metastatic cutaneous adenocarcinoma [Pozdnyakova] 1285 (Au)

## Cell Count

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2008) Conference, 1148 (Jy)

Circulating tumor cells from well-differentiated lung adenocarcinoma retain cytomorphologic features of primary tumor type [Marrinucci] 1468 (Se)

Circulating tumor cells: seeing is believing [Fischer] 1367 (Se)

## Cell Culture Techniques

Henrietta Lacks, HeLa cells, and cell culture contamination [Lucy] 1463 (Se)

## Cell Cycle

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

p38 Mitogen-activated protein kinase and hematologic malignancies [Feng] 1850 (No)

## Cell Differentiation

Advances in the biology and genetics of the podocytopathies: implications for diagnosis and therapy [Barisoni] 201 (Fe)

Benign fibroblastic polyps of the colon [Huber] 1872 (No)

Sclerosing hemangioma of the lung [Keylock] 820 (My)

## Cell Line, Tumor

The RAV12 monoclonal antibody recognizes the N-linked glycoprotein RAAG12: expression in human normal and tumor tissues [Coberly] 1403 (Se)

## Cell Proliferation

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Update on immunohistochemical methods relevant to dermatopathology [Wasserman] 1053 (Jy)

## Cell Size

Increased mean platelet volume in patients with acute coronary syndromes [Lippi] 1441 (Se)

## Cell Transformation, Neoplastic

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2008) Conference, 1148 (Jy)

An algorithmic approach to the diagnosis of pancreatic neoplasms [Klimstra] 454 (Mr)

Carcinomas of the pancreas, gallbladder, extrahepatic bile ducts, and ampulla of Vater share a field for carcinogenesis: a population-based study [Henson] 67 (Ja)

Endocrine neoplasms of the pancreas: pathologic and genetic features [Capelli] 350 (Mr)

Epithelioid sarcoma [Armah] 814 (My)

Mixed epithelial and stromal tumors of the kidney: an overview [Mohanty] 1483 (Se)

Morphogenomics and morphoproteomics: a role for atomic pathology in personalized medicine [Brown] 568 (Ap)

Problems and controversies in the histopathology of thyroid carcinomas of follicular cell origin [Ghossein] 683 (My)

Recent developments in liver pathology [Yan] 1078 (Jy)

Sarcomatoid chromophobe renal cell carcinoma with heterologous sarcomatoid elements: a case report and review of the literature [Quiroga-Garza] 1857 (No)

The T1799A *BRAF* mutation is absent in cribriform-mucinous variant of papillary carcinoma [Schuetz] 803 (My)

Undifferentiated malignant neoplasms of the sinonasal tract [Wenig] 699 (My)

Update on selected salivary gland neoplasms [McHugh] 1763 (No)

## Centers for Medicare and Medicaid Services (U.S.)

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

## Central Nervous System Neoplasms

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Diffuse large B-cell lymphoma—more than a diffuse collection of large B cells: an entity in search of a meaningful classification [Gurbuxani] 1121 (Jy)

Intracranial lesions mimicking neoplasms [Cunliffe] 101 (Ja)

Primary intracranial lymphoma [Faia] 1228 (Au)

## Cerebral Infarction

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

## Cerebrospinal Fluid

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Automatic failure in gynecologic cytology proficiency testing: results from the College of American Pathologists proficiency testing program [Moriarty] 1757 (No)

Current concepts in cervical pathology [Park] 729 (My)

Follow-up findings for women with human papillomavirus-positive and atypical squamous cells of undetermined significance screening test results in a large women's hospital practice [Armah] 1426 (Se)

Human papillomavirus typing and viral gene expression analysis for the triage of women with abnormal results from Papanicolaou test smears to colposcopy [Antonishyn] 1577 (Oc)

Impact of digital image manipulation in cytology [Pinco] 57 (Ja)

Performance of *Candida*—fungal-induced atypia and proficiency testing: observations from the College of American Pathologists proficiency testing program [Moriarty] 1272 (Au)

**Cetuximab see Antineoplastic Agents**

**Change see Organizational Innovation**

**Charcot-Leyden Crystals see Glycoproteins**

**Charities**

Sins of our fathers: two of *The Four Doctors* and their roles in the development of techniques to permit covert autopsies [Wright] 1969 (De)

## Chelating Agents

Urine mercury excretion following *meso*-dimercaptosuccinic acid challenge in fish eaters [Ruhla] 87 (Ja)

## Chemoprevention

Update in neoplastic lung diseases and mesothelioma [Gordon] 1106 (Jy)

## Chemotherapy, Adjuvant

High-risk features and tumor differentiation in retinoblastoma: a retrospective histopathologic study [Eagle] 1203 (Au)

Histopathologic risk factors in retinoblastoma in India [Gupta] 1210 (Au)

## Chemobyl Nuclear Accident

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

## Chest Pain

Increased mean platelet volume in patients with acute coronary syndromes [Lippi] 1441 (Se)

**Chevallier System see Treatment Outcome**

## Child

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Anterior diffuse retinoblastoma: mutational analysis and immunofluorescence staining [Crosby] 1215 (Au)

Bilateral massive retinal gliosis associated with retinopathy of prematurity [Houston] 1242 (Au)

Evaluation of microbiologic and hematologic parameters and E-selectin as early predictors for outcome of neonatal sepsis [Zaki] 1291 (Au)

Fatal head injury in children younger than 2 years in New York City and an overview of the shaken baby syndrome [Gill] 619 (Ap)

High-risk features and tumor differentiation in retinoblastoma: a retrospective histopathologic study [Eagle] 1203 (Au)

Histopathologic risk factors in retinoblastoma in India [Gupta] 1210 (Au)

Pediatric follicular lymphoma: a rare clinicopathologic entity [Agrawal] 142 (Ja)

Proceedings of the consensus meetings from the International Retinoblastoma Staging Working Group

on the pathology guidelines for the examination of enucleated eyes and evaluation of prognostic risk factors in retinoblastoma [Sastre] 1199 (Au)

Recent developments in liver pathology [Yan] 1078 (Jy)

## China

Melamine-containing crystals in the urinary tracts of domestic animals: sentinel event? [Lewin-Smith] (letter) 341 (Mr)

## Choking see Airway Obstruction

## Cholangitis, Sclerosing

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

## Cholecystitis

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

## Choledochal Cyst

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

## Cholestasis, Intrahepatic

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

## Cholesterol, HDL

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

## Chondroblastoma

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

## Chondroitin Sulfates

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

## Chondroma

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

## Chondrosarcoma

Sarcomatoid chromophobe renal cell carcinoma with heterologous sarcomatoid elements: a case report and review of the literature [Quiroga-Garza] 1857 (No)

## Chordoma

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

## Choriangioma see Hemangioma

## Chorionic Gonadotropin

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

## Choristoma

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

## Choroid Plexus Neoplasms

Correction: choroid plexus carcinoma [Gopal] (letter) 680 (My)

**Chromophobe Renal Cell Carcinoma see Carcinoma, Renal Cell**

## Chromosome Aberrations

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Detection of chromosomal aberrations in renal tumors: a comparative study of conventional cytogenetics and virtual karyotyping with single nucleotide polymorphism microarrays [Monzon] 1917 (De)

Endocrine neoplasms of the pancreas: pathologic and genetic features [Capelli] 350 (Mr)

Epithelioid sarcoma [Armah] 814 (My)

Molecular alterations in exocrine neoplasms of the pancreas [Ranganathan] 405 (Mr)

Segmental tandem triplication of the *MLL* gene in an intravascular large B-cell lymphoma with multisystem involvement: a comprehensive morphologic, immunophenotypic, cytogenetic, and molecular cytogenetic antemortem study [Deisch] 1477 (Se)

Spermatocytic seminoma [Aggarwal] 1985 (De)

## Chromosome Deletion

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

## Chromosomes, Human, Pair 3

Chromosomal 3 and 8 status within hepatic metastasis of uveal melanoma [Singh] 1223 (Au)

Variation of monosomy 3 status within uveal melanoma [Schoenfeld] 1219 (Au)

## Chromosomes, Human, Pair 8

Chromosomal 3 and 8 status within hepatic metastasis of uveal melanoma [Singh] 1223 (Au)

## Chromosomes, Human, Pair 9

Spermatocytic seminoma [Aggarwal] 1985 (De)

## Chromosomes, Human, Pair 11

Segmental tandem triplication of the *MLL* gene in an intravascular large B-cell lymphoma with multisystem

- involvement: a comprehensive morphologic, immunophenotypic, cytogenetic, and molecular cytogenetic antemortem study [Deisch] 1477 (Se)
- Chromosomes, Human, Pair 19**  
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- Chromosomes, Human, Pair 22**  
Epithelioid sarcoma [Armah] 814 (My)
- Chromosomes, Human, X**  
Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2008) Conference, 1148 (Jy)
- Recent developments in the pathology of renal tumors: morphology and molecular characteristics of select entities [Yan] 1026 (Jy)
- Chronic Disease**  
Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)
- Circulating Tumor Cells see Neoplastic Cells, Circulating**
- Classification**  
Advances in the biology and genetics of the podocytopathies: implications for diagnosis and therapy [Barisoni] 201 (Fe)
- An algorithmic approach to the diagnosis of pancreatic neoplasms [Klimstra] 454 (Mr)
- Arteriosclerosis: rethinking the current classification [Fishbein] 1309 (Au)
- Barrett esophagus and the "indefinite for dysplasia" category [Al-Abbadi] (letter) [Odzle] (reply) 1910 (De)
- Challenges in the interpretation of peritoneal cytologic specimens [Lin] 739 (My)
- Diffuse large B-cell lymphoma—more than a diffuse collection of large B cells: an entity in search of a meaningful classification [Gurbuxani] 1121 (Jy)
- Endocrine neoplasms of the pancreas: pathologic and genetic features [Capelli] 350 (Mr)
- Focal segmental glomerulosclerosis: a morphologic diagnosis in evolution [Thomas] 217 (Fe)
- Intraocular lymphoma: diagnostic approach and immunophenotypic findings in vitrectomy specimens [Raparia] 1233 (Au)
- Ovarian cancer update: lessons from morphology, molecules, and mice [Cho] 1775 (No)
- Pancreatic cytopathology: a practical approach and review [Bellizzi] 388 (Mr)
- Recurrent challenges in the evaluation of fibroepithelial lesions [Giri] 713 (My)
- Renal disease in systemic lupus erythematosus with emphasis on classification of lupus glomerulonephritis: advances and implications [Seshan] 233 (Fe)
- Subcutaneous panniculitis-like T-cell lymphoma: redefinition of diagnostic criteria in the recent World Health Organization-European Organization for Research and Treatment of Cancer classification for cutaneous lymphomas [Parveen] 303 (Fe)
- Undifferentiated malignant neoplasms of the sinonasal tract [Wenig] 699 (My)
- Unsatisfactory reporting rates: 2006 practices of participants in the College of American Pathologists Interlaboratory Comparison Program in Gynecologic Cytology [Moriarty] 1912 (De)
- Claudins see Membrane Proteins**
- Clavicle**  
Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)
- Clear Cell Sugar Tumor see Perivascular Epithelioid Cell Neoplasms**
- Clinical Competence**  
Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)
- Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2008) Conference, 1148 (Jy)
- Appeals in gynecologic cytology proficiency testing: review and analysis of data from the 2006 College of American Pathologists Gynecologic Cytology Proficiency Testing Program [Crothers] 44 (Ja)
- The assessment of pathologists/laboratory medicine physicians through a multisource feedback tool [Lockyer] 1301 (Au)
- Automatic failure in gynecologic cytology proficiency testing: results from the College of American Pathologists proficiency testing program [Moriarty] 1757 (No)
- Changes in participant performance in the "test-taking" environment: observations from the 2006 College of American Pathologists Gynecologic Cytology Proficiency Testing Program [Hughes] 279 (Fe)
- College of American Pathologists considerations for the delineation of pathology clinical privileges [Catalano] 613 (Ap)
- Laboratory sanctions for proficiency testing sample referral and result communication: a review of actions from 1993–2006 [Killeen] 979 (Je)
- Performance of *Candida*—fungal-induced atypia and proficiency testing: observations from the College of American Pathologists proficiency testing program [Moriarty] 1272 (Au)
- Performance of herpes simplex challenges in proficiency testing: observations from the College of American Pathologists proficiency testing program [Moriarty] 1379 (Se)
- Resident preparation for practice: a white paper from the College of American Pathologists and Association of Pathology Chairs [Talbert] 1139 (Jy)
- Safety and efficiency considerations for the introduction of electronic ordering in a blood bank [Georgiou] 933 (Je)
- Clinical Laboratory Information Systems**  
Digital pathology at the crossroads of major health care trends: corporate innovation as an engine for change [Soenksen] 555 (Ap)
- Inaccurate doses of Rh immune globulin after Rh-incompatible fetomaternal hemorrhage: survey of laboratory practice [Ramsey] 465 (Mr)
- Pathology's contributions to disease surveillance: sending our data to public health officials and encouraging our clinical colleagues to do so [Aller] 926 (Je)
- Reengineered workflow in the anatomic pathology laboratory: costs and benefits [Grimm] 601 (Ap)
- Safety and efficiency considerations for the introduction of electronic ordering in a blood bank [Georgiou] 933 (Je)
- Worried that your laboratory doesn't measure up [Land] 343 (Mr)
- Clinical Protocols**  
College of American Pathologists protocol for the reporting of ductal carcinoma in situ [Lester] 13 (Ja)
- Comparability of different pathologic protocols in sentinel lymph node evaluation: an analysis of two step-sectioning methods for the same patients with breast cancer [Kannngum] 1437 (Se)
- Examination of specimens from patients with ductal carcinoma in situ of the breast using large-format histology sections [Tot] (letter) [Amin] (reply) 1361 (Se)
- Protocol for the examination of specimens from patients with carcinoma of the prostate gland [Srigley] 1568 (Oc)
- Protocol for the examination of specimens from patients with ductal carcinoma in situ of the breast [Lester] 15 (Ja)
- Protocol for the examination of specimens from patients with invasive carcinoma of the breast [Lester] 1515 (Oc)
- Protocol for the examination of specimens from patients with melanoma of the skin [Frishberg] 1560 (Oc)
- Protocol for the examination of specimens from patients with primary carcinoma of the colon and rectum [Washington] 1539 (Oc)
- Protocol for the examination of specimens from patients with primary carcinomas of the colon and rectum [Stewart] (letter) [Washington] (reply) 1360 (Se)
- Protocol for the examination of specimens from patients with primary non-small cell carcinoma, small cell carcinoma, or carcinoid tumor of the lung [Butnor] 1552 (Oc)
- Clinical Trials**  
Pathology and imaging in biomarker development [Jaffe] 547 (Ap)
- Clone Cells**  
Phenotyping studies of clonotypic B lymphocytes from patients with multiple myeloma by flow cytometry [Conway] 1594 (Oc)
- Clostridium difficile**  
Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)
- Cocaine-Related Disorders**  
Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)
- Coccidioides**  
Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)
- Coccidioidomycosis**  
Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)
- Codes of Ethics**  
How does a pathologist make a diagnosis [Pena] 124 (Ja)
- Cognition**  
How does a pathologist make a diagnosis [Pena] 124 (Ja)
- COL4A5 Protein, Human see Collagen Type IV**
- Colectomy**  
Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)
- Colitis**  
Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)
- Colitis, Collagenous**  
Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)
- Collagen Type IV**  
Alport syndrome and thin glomerular basement membrane nephropathy: a practical approach to diagnosis [Haas] 224 (Fe)
- College of American Pathologists**  
Abstract/Case Study Review Committee for the College of American Pathologists 2009 Annual Meeting, 1607 (Oc)
- COLLEGE OF AMERICAN PATHOLOGISTS LABORATORY IMPROVEMENT PROGRAMS**  
Appeals in gynecologic cytology proficiency testing: review and analysis of data from the 2006 College of American Pathologists Gynecologic Cytology Proficiency Testing Program [Crothers] 44 (Ja)
- Automatic failure in gynecologic cytology proficiency testing: results from the College of American Pathologists proficiency testing program [Moriarty] 1757 (No)
- Best practices in contemporary diagnostic immunohistochemistry: panel approach to hematology/immunohistochemistry [Garcia] 756 (My)
- Best practices in diagnostic immunohistochemistry: spindle cell neoplasms of the gastrointestinal tract [Turner] 1370 (Se)
- Changes in participant performance in the "test-taking" environment: observations from the 2006 College of American Pathologists Gynecologic Cytology Proficiency Testing Program [Hughes] 279 (Fe)
- College of American Pathologists considerations for the delineation of pathology clinical privileges [Catalano] 613 (Ap)
- Document control practices in 120 clinical laboratories [Valenstein] 942 (Je)
- Genetic heterogeneity in *HER2* testing in breast cancer: panel summary and guidelines [Vance] 611 (Ap)
- Guidelines for the reporting of nongynecologic cytopathology specimens [Crothers] 1743 (No)
- Inaccurate doses of Rh immune globulin after Rh-incompatible fetomaternal hemorrhage: survey of laboratory practice [Ramsey] 465 (Mr)
- Performance of *Candida*—fungal-induced atypia and proficiency testing: observations from the College of American Pathologists proficiency testing program [Moriarty] 1272 (Au)
- Performance of herpes simplex challenges in proficiency testing: observations from the College of American Pathologists proficiency testing program [Moriarty] 1379 (Se)
- Physician satisfaction with clinical laboratory services: a College of American Pathologists Q-Probes study of 138 institutions [Jones] 38 (Ja)
- Protocol for the examination of specimens from patients with carcinoma of the prostate gland [Srigley] 1568 (Oc)
- Protocol for the examination of specimens from patients with invasive carcinoma of the breast [Lester] 1515 (Oc)
- Protocol for the examination of specimens from patients with melanoma of the skin [Frishberg] 1560 (Oc)
- Protocol for the examination of specimens from patients with primary carcinoma of the colon and rectum [Washington] 1539 (Oc)
- Protocol for the examination of specimens from patients with primary non-small cell carcinoma, small cell carcinoma, or carcinoid tumor of the lung [Butnor] 1552 (Oc)
- Recommended principles and practices for validating clinical molecular pathology tests [Jennings] 743 (My)
- Significant and unexpected, and critical diagnoses in surgical pathology: a College of American Pathologists' survey of 1130 laboratories [Nakhleh] 1375 (Se)
- Unsatisfactory reporting rates: 2006 practices of participants in the College of American Pathologists Interlaboratory Comparison Program in Gynecologic Cytology [Moriarty] 1912 (De)
- Colonic Diseases**  
Dieulafoy disease of the colon [Jain] 1865 (No)
- Colonic Neoplasms**  
Gastrointestinal basidiobolomycosis: an unusual fungal infection mimicking colon cancer [Nemenqani] 1938 (De)
- Guidelines for pathologic diagnosis of malignant mesothelioma: a consensus statement from the International Mesothelioma Interest Group [Husain] 1317 (Au)
- Protocol for the examination of specimens from patients with primary carcinoma of the colon and rectum [Washington] 1539 (Oc)
- Colonic Polyps**  
Benign fibroblastic polyps of the colon [Huber] 1872 (No)
- Protocol for the examination of specimens from patients with primary carcinoma of the colon and rectum [Washington] 1539 (Oc)
- Color**  
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## Colorectal Neoplasms

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Can GEW solution improve the retrieval of lymph nodes from colorectal cancer resections? [Gregurek] 83 (Ja)

For the sake of clarity about pT4 category of colorectal cancer [Puppa] (letter) [Jesup] (reply) 340 (Mr)

Number of lymph nodes examined and associated clinicopathologic factors in colorectal carcinoma [Shen] 781 (My)

Protocol for the examination of specimens from patients with primary carcinomas of the colon and rectum [Stewart] (letter) [Washington] (reply) 1360 (Se)

The role of KRAS mutation testing in the management of patients with metastatic colorectal cancer [Monzon] 1600 (Oc)

## Colorectal Neoplasms, Hereditary Nonpolyposis

Familial pancreatic cancer [Shi] 365 (Mr)

Insights into selected genetic diseases affecting the female reproductive tract and their implication for pathology evaluation of gynecologic specimens [Gwin] 1041 (Jy)

## Colposcopy

Human papillomavirus typing and viral gene expression analysis for the triage of women with abnormal results from Papanicolaou test smears to colposcopy [Antonishyn] 1577 (Oc)

## Combined Modality Therapy

Morphogenomics and morphoproteomics: a role for anatomic pathology in personalized medicine [Brown] 568 (Ap)

Pancreatic cytopathology: a practical approach and review [Bellizzi] 388 (Mr)

## Commerce

From the incandescent light bulb to digital pathology: corporate innovation as an engine for change [Montalto] 550 (Ap)

Infusion centers: opportunities for financial and personal success [Garner] 591 (Ap)

Keynote address—the innovator's prescription: an examination of the future of health care through the lenses of disruptive innovation [Hwang] 513 (Ap)

Risks and rewards of pathology innovation: the academic pathology department as a business incubator [Weinstein] 580 (Ap)

## Common Bile Duct Neoplasms

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Carcinomas of the pancreas, gallbladder, extrahepatic bile ducts, and ampulla of Vater share a field for carcinogenesis: a population-based study [Henson] 67 (Ja)

## Common Biorepository Model

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

## Communicable Diseases

Laboratory-guided detection of disease outbreaks: three generations of surveillance systems [Sintchenko] 916 (Je)

## Communication

Genetic heterogeneity in HER2 testing in breast cancer: panel summary and guidelines [Vance] 611 (Ap)

How does a pathologist make a diagnosis [Pena] 124 (Ja)

How well do we communicate autopsy findings to next of kin? [Wurzel] (letter) [Green] (reply) 510 (Ap)

## Communication Barriers

Racial differences in motivators and barriers to blood donation among blood donors [Shaz] 1444 (Se)

## Comorbidity

Grover disease (transient acantholytic dermatosis) [Weaver] 1490 (Se)

## Computer Communication Networks

Laboratory-guided detection of disease outbreaks: three generations of surveillance systems [Sintchenko] 916 (Je)

## Computer Systems

Medical imaging workstations: what is missing and what is coming [Vannier] 542 (Ap)

## Computerized Provider Order Entry see Medical Order Entry Systems

## Confidentiality

Document control practices in 120 clinical laboratories [Valenstein] 942 (Je)

## Congenital, Hereditary, and Neonatal Diseases and Abnormalities

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

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## Coronary Artery Disease

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## CORRECTIONS

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Gopal P: Correction: choroid plexus carcinoma [Arch Pathol Lab Med. 2008;132(8):1350-1354] (letter) 680 (My)

Gurbuxani S, Anastasi J, Hyjek E: Diffuse large B-cell lymphoma—more than a diffuse collection of large B cells: an entity in search of a meaningful classification [Arch Pathol Lab Med. 2009;133(7):1121-1134], 1186 (Au)

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Rao P, Pinheiro N Jr, Franco M, Ra S, Costa H, Manzano J, Paner GP, Silva EG, Amin MB: Pseudomyxoma peritonei associated with primary mucinous borderline tumor of the renal pelvicalyceal system [Arch Pathol Lab Med. 2009;133(9):1472-1476], 1512 (Oc)

## Cost Savings

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## Craniofacial Trauma

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## Cryptococcus neoformans

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## Cryptogenic Organizing Pneumonia

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Crystal-storing histiocytosis as a cause of symptomatic cardiac mass: histologic, immunohistochemical, and electron microscopic findings [Sailey] 1861 (No)

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## Cystadenoma

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Guidelines for the reporting of nongynecologic cytology specimens [Crothers] 1743 (No)

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Papillary neoplasms of the breast: a review [Ueng] 893 (Je)

Recurrent challenges in the evaluation of fibroepithelial lesions [Giri] 713 (My)

Unsatisfactory reporting rates: 2006 practices of participants in the College of American Pathologists Interlaboratory Comparison Program in Gynecologic Cytology [Moriarty] 1912 (De)

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Best practices in contemporary diagnostic immunohistochemistry: panel approach to hematolymphoid proliferations [Garcia] 756 (My)



Segmental tandem triplication of the *MLL* gene in an intravascular large B-cell lymphoma with multisystem involvement: a comprehensive morphologic, immunophenotypic, cytogenetic, and molecular cytogenetic antemortem study [Deisch] 1477 (Se)

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Detection of chromosomal aberrations in renal tumors: a comparative study of conventional cytogenetics and virtual karyotyping with single nucleotide polymorphism microarrays [Monzon] 1917 (De)

#### Cytokines

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p38 Mitogen-activated protein kinase and hematologic malignancies [Feng] 1850 (No)

#### Cytostatic Agents

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#### Diagnostic Techniques and Procedures

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### Genes, BRCA1

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Insights into selected genetic diseases affecting the female reproductive tract and their implication for pathologic evaluation of gynecologic specimens [Gwin] 1041 (Jy)

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### Genes, ras

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- Changes in participant performance in the "test-taking" environment: observations from the 2006 College of American Pathologists Gynecologic Cytology Proficiency Testing Program [Hughes] 279 (Fe)

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Association of cystic neck metastases and human papillomavirus-positive oropharyngeal squamous cell carcinoma [McHugh] 1798 (No)

Selected reviews on topics in oncologic pathology related to tumors of the breast, gynecologic organs, and head and neck region [Klimstra] 681 (My)

### Health Care System see Delivery of Health Care Health Knowledge, Attitudes, Practice

The autopsy: knowledge, attitude, and perceptions of doctors and relatives of the deceased [Oluwasola] 78 (Ja)

Worried that your laboratory doesn't measure up [Land] 343 (Mr)

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Intracranial lesions mimicking neoplasms [Cunliffe] 101 (Ja)

Rare nerve lesions of non-nerve sheath origin: a 17-year retrospective series [Strom] 1391 (Se)

### Menorrhagia

Should women with abnormal serum thyroid stimulating hormone undergo screening for anemia? [Sahin] (letter) [Lipp] (reply) 1188 (Au)

### Menstrual Cycle

Nonneoplastic alterations of the mammary epithelium can mimic atypia [Murray] 722 (My)

### Mercury Poisoning

Urine mercury excretion following *meso*-dimercaptosuccinic acid challenge in fish eaters [Ruha] 87 (Ja)

### Mesenchymoma

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### Mesothelioma

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Paratesticular paraganglioma: a rare cause of an intrascrotal mass [Gupta] 811 (My)

Update in neoplastic lung diseases and mesothelioma [Gordon] 1106 (Jy)

### Metabolic Networks and Pathways

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### Metaplasia

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### Methylmercury Compounds

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### Mice, Transgenic

Pancreatic intraepithelial neoplasia and pancreatic tumorigenesis: of mice and men [Ottenshoff] 375 (Mr)

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Challenges in breast pathology: new twists on old problems [Tavassoli] 852 (Je)

Detection of chromosomal aberrations in renal tumors: a comparative study of conventional cytogenetics and

virtual karyotyping with single nucleotide polymorphism microarrays [Monzon] 1917 (De)

Gene expression-based prognostic and predictive markers for breast cancer: a primer for practicing pathologists [Kim] 855 (Je)

The pathology and genetics of metastatic pancreatic cancer [Yachida] 413 (Mr)

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Gastrointestinal basidiobolomycosis: an unusual fungal infection mimicking colon cancer [Nemenqani] 1938 (De)

### Microcalcification see Calcinosi

### Micrometastases see Neoplasm Metastasis

### MicroRNAs

Molecular alterations in exocrine neoplasms of the pancreas [Ranganathan] 405 (Mr)

### Microsatellite Instability

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Insights into selected genetic diseases affecting the female reproductive tract and their implication for pathologic evaluation of gynecologic specimens [Gwin] 1041 (Jy)

### Microscopy

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The renal biopsy [Walker] 181 (Fe)

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### Microtomy

Comparability of different pathologic protocols in sentinel lymph node evaluation: an analysis of two step-sectioning methods for the same patients with breast cancer [Kangum] 1437 (Se)

Coronal serial sequential sampling of breast specimen in the assessment of the extent of ductal carcinoma in situ [Mai] (letter) [Bose] (reply) 1362 (Se)

Examination of specimens from patients with ductal carcinoma in situ of the breast using large-format histology sections [Tot] (letter) [Amin] (reply) 1361 (Se)

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### Mitogen-Activated Protein Kinases

p38 Mitogen-activated protein kinase and hematologic malignancies [Feng] 1850 (No)

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Problems and controversies in the histopathology of thyroid carcinomas of follicular cell origin [Ghossein] 683 (My)

### Mitotic Index

Mitotic index of invasive breast carcinoma: achieving clinically meaningful precision and evaluating tertial cutoffs [Meyer] 1826 (No)

### Mixed Tumor, Müllerian

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### Models, Animal

Ovarian cancer update: lessons from morphology, molecules, and mice [Cho] 1775 (No)

### Models, Educational

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Flat ductal intraepithelial neoplasia of the breast: a review of diagnostic criteria, differential diagnoses, molecular-genetic findings, and clinical relevance—it is time to appreciate the Azzopardi concept [Moinfar] 879 (Je)

Molecular biology underlying the clinical heterogeneity of prostate cancer: an update [Mackinnon] 1033 (Jy)

### Molecular Diagnostic Techniques

Arrays and medical microbiology: *e pluribus unum* [Versalovic] 537 (Ap)

Best practices in contemporary diagnostic immunohistochemistry: panel approach to hematolymphoid proliferations [Garcia] 756 (My)

Biomarkers in anatomic pathology: adding value to diagnosis [Hunt] 532 (Ap)

Recommended principles and practices for validating clinical molecular pathology tests [Jennings] 743 (My)

What hematopathology tells us about the future of pathology informatics [Hess] 908 (Je)

### Mönckeberg Medial Calcific Sclerosis

Arteriosclerosis: rethinking the current classification [Fishbein] 1309 (Au)

### Monosomy

Variation of monosomy 3 status within uveal melanoma [Schoenfeld] 1219 (Au)

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### Mucins

Pseudomyxoma peritonei associated with primary mucinous borderline tumor of the renal pelvicalyceal system [Rao] 1472 (Se) [correction, 1512 (Oc)]

### Mucopolipidoses

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### Multiple Endocrine Neoplasia Type 1

Endocrine neoplasms of the pancreas: pathologic and genetic features [Capelli] 350 (Mr)

### Multiple Myeloma

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p38 Mitogen-activated protein kinase and hematologic malignancies [Feng] 1850 (No)

Phenotyping studies of clonotypic B lymphocytes from patients with multiple myeloma by flow cytometry [Conway] 1594 (Oc)

Renal lesions associated with plasma cell dyscrasias: practical approach to diagnosis, new concepts, and challenges [Herrera] 249 (Fe)

### Multiple Organ Failure

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### Muromonab-CD3

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### Museums

Sins of our fathers: two of *The Four Doctors* and their roles in the development of techniques to permit covert autopsies [Wright] 1969 (De)

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Advances in the biology and genetics of the podocytopathies: implications for diagnosis and therapy [Barisoni] 201 (Fe)

Alport syndrome and thin glomerular basement membrane nephropathy: a practical approach to diagnosis [Haas] 224 (Fe)

Basal-like breast carcinoma: from expression profiling to routine practice [Rakha] 860 (Je)

Endocrine neoplasms of the pancreas: pathologic and genetic features [Capelli] 350 (Mr)

Familial pancreatic cancer [Shi] 365 (Mr)

Insights into selected genetic diseases affecting the female reproductive tract and their implication for pathologic evaluation of gynecologic specimens [Gwin] 1041 (Jy)

Molecular alterations in exocrine neoplasms of the pancreas [Ranganathan] 405 (Mr)

Morphologic features of adenocarcinoma of the lung predictive of response to the epidermal growth factor receptor kinase inhibitors erlotinib and gefitinib [Zakowski] 470 (Mr)

Ovarian cancer update: lessons from morphology, molecules, and mice [Cho] 1775 (No)

Pancreatic intraepithelial neoplasia and pancreatic tumorigenesis: of mice and men [Ottenshoff] 375 (Mr)

The role of KRAS mutation testing in the management of patients with metastatic colorectal cancer [Monzon] 1600 (Oc)

Solid-pseudopapillary neoplasm: a pancreatic enigma [Chakchachi] 1989 (De)

The T1799A BRAF mutation is absent in cribriform-mucinous variant of papillary carcinoma [Schuetz] 803 (My)

### Mutation, Missense

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## **Mycobacterium**

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## **Mycobacterium Infections**

Optimal use of Myco/F lytic and standard BACTEC blood culture bottles for detection of yeast and mycobacteria [Kirby] 93 (Ja)

## **Mycoses**

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Gastrointestinal basidiobolomycosis: an unusual fungal infection mimicking colon cancer [Nemenqani] 1938 (De)

## **Mycosis Fungoides**

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## **Myeloid-Lymphoid Leukemia Protein**

Segmental tandem triplication of the MLL gene in an intravascular large B-cell lymphoma with multisystem involvement: a comprehensive morphologic, immunophenotypic, cytogenetic, and molecular cytogenetic aneuploidy study [Deisch] 1477 (Se)

## **Myeloproliferative Disorders**

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## **Myocarditis**

Resolution of giant cell myocarditis after extended ventricular assistance [Eid] 138 (Ja)

## **Myoepithelioma**

New variants of epithelial-myoepithelial carcinoma: oncocytic-sebacous and apocrine [Seethala] 950 (Je)

## **Myofibroblasts**

Pseudoangiomatous stromal hyperplasia of the breast [AbdullGaffar] 1335 (Au)

## **Mycosis**

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## **Nanotechnology**

Pathology and radiology beyond looking at pictures [Li] 587 (Ap)

## **Nasopharyngeal Neoplasms**

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## **Navajo Neurohepatopathy**

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## **Necrobiotic Disorders**

Adult orbital xanthogranulomatous disease: review of the literature [Guo] 1994 (De)

## **Necrosis**

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Problems and controversies in the histopathology of thyroid carcinomas of follicular cell origin [Ghossein] 683 (My)

## **Neoadjuvant Therapy**

Pathology of breast carcinomas after neoadjuvant chemotherapy: an overview with recommendations on specimen processing and reporting [Sahoo] 633 (Ap)

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Changes in the 7th edition of the AJCC TNM classification and recommendations for pathologic analysis of lacrimal gland tumors [Rootman] 1268 (Au)

Chronic pancreatitis and the differential diagnosis versus pancreatic cancer [Kloppel] 382 (Mr)

Current concepts in cervical pathology [Park] 729 (My)

Current perspectives on the Gleason grading of prostate cancer [Shah] 1810 (No)

High-risk features and tumor differentiation in retinoblastoma: a retrospective histopathologic study [Eagle] 1203 (Au)

Histopathologic features and clinical outcomes in 71 cases of bladder diverticula [Tamas] 791 (My)

Identification and biologic significance of micrometastases in axillary lymph nodes in patients with invasive breast cancer [Sahin] 869 (Je)

Infiltrating syringomatous adenoma of the nipple: clinical presentation and literature review [Qoi] 1487 (Se)

Limited sampling of radical prostatectomy specimens with excellent preservation of prognostic parameters of prostate cancer [Kim] 1278 (Au)

Papillary neoplasms of the breast: a review [Ueng] 893 (Je)

Problems and controversies in the histopathology of thyroid carcinomas of follicular cell origin [Ghossein] 683 (My)

Proceedings of the consensus meetings from the International Retinoblastoma Staging Working Group on the pathology guidelines for the examination of enucleated eyes and evaluation of prognostic risk factors in retinoblastoma [Sastre] 1199 (Au)

Protocol for the examination of specimens from patients with carcinoma of the prostate gland [Srigley] 1568 (Oc)

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Protocol for the examination of specimens from patients with melanoma of the skin [Frishberg] 1560 (Oc)

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Protocol for the examination of specimens from patients with primary carcinomas of the colon and rectum [Stewart] (letter) [Washington] (reply) 1360 (Se)

Protocol for the examination of specimens from patients with primary non-small cell carcinoma, small cell carcinoma, or carcinoid tumor of the lung [Butnor] 1552 (Oc)

Sino-orbital osteoma: a clinicopathologic study of 45 surgically treated cases with emphasis on tumors with osteoblastoma-like features [McHugh] 1587 (Oc)

A TNM-based clinical staging system of ocular adnexal lymphomas [Coupland] 1262 (Au)

Update on selected salivary gland neoplasms [McHugh] 1763 (No)

The value of transcapsular invasion in patients with thymoma [Venuta] (letter) 1364 (Se)

## **Neoplasm Metastasis**

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Association of cystic neck metastases and human papillomavirus-positive oropharyngeal squamous cell carcinoma [McHugh] 1798 (No)

Changes in the 7th edition of the AJCC TNM classification and recommendations for pathologic analysis of lacrimal gland tumors [Rootman] 1268 (Au)

Chromosomal 3 and 8 status within hepatic metastasis of uveal melanoma [Singh] 1223 (Au)

Epithelioid sarcoma [Armah] 814 (My)

For the sake of clarity about pT4 category of colorectal cancer [Puppa] (letter) [Jesup] (reply) 340 (Mr)

Hepatocellular carcinoma metastases to the epidural space [Somerset] 1975 (De)

Histopathologic risk factors in retinoblastoma in India [Gupta] 1210 (Au)

Identification and biologic significance of micrometastases in axillary lymph nodes in patients with invasive breast cancer [Sahin] 869 (Je)

Intracranial lesions mimicking neoplasms [Cunliffe] 101 (Ja)

The pathology and genetics of metastatic pancreatic cancer [Yachida] 413 (Mr)

Primary leiomyosarcoma of extragathic bone: clinicopathologic features and reevaluation of prognosis [Adelani] 1448 (Se)

Prognostic value of E-cadherin,  $\beta$ -catenin, CD44v6, and HER2/neu in metastatic cutaneous adenocarcinoma [Pozdnyakova] 1285 (Au)

Protocol for the examination of specimens from patients with ductal carcinoma in situ of the breast [Lester] 15 (Ja)

Rare nerve lesions of non-nerve sheath origin: a 17-year retrospective series [Strom] 1391 (Se)

Recurrent challenges in the evaluation of fibroepithelial lesions [Giri] 713 (My)

The role of KRAS mutation testing in the management of patients with metastatic colorectal cancer [Monzon] 1600 (Oc)

Utility of immunohistochemistry for endothelial markers in distinguishing epithelioid hemangioendothelioma from carcinoma metastatic to bone [Gill] 967 (Je)

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Coronal serial sequential sampling of breast specimen in the assessment of the extent of ductal carcinoma in situ [Mail] (letter) [Bose] (reply) 1362 (Se)

Epithelioid sarcoma [Armah] 814 (My)

Histopathologic features and clinical outcomes in 71 cases of bladder diverticula [Tamas] 791 (My)

Nonneoplastic alterations of the mammary epithelium can mimic atypia [Murray] 722 (My)

Primary intraosseous squamous cell carcinoma of the jaws: clinicopathologic presentation and prognostic factors [Huang] 1834 (No)

Primary pulmonary follicular dendritic cell neoplasm: a case report and review of the literature [Denning] 643 (Ap)

Recurrent challenges in the evaluation of fibroepithelial lesions [Giri] 713 (My)

Sino-orbital osteoma: a clinicopathologic study of 45 surgically treated cases with emphasis on tumors with osteoblastoma-like features [McHugh] 1587 (Oc)

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## **Neoplasm Staging**

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Challenges in the interpretation of peritoneal cytologic specimens [Lin] 739 (My)

Changes in the 7th edition of the AJCC TNM classification and recommendations for pathologic analysis of lacrimal gland tumors [Rootman] 1268 (Au)

Current concepts in cervical pathology [Park] 729 (My)

Current perspectives on the Gleason grading of prostate cancer [Shah] 1810 (No)

Endocrine neoplasms of the pancreas: pathologic and genetic features [Capelli] 350 (Mr)

Introduction of the 7th edition eyelid carcinoma classification system from the American Joint Committee on Cancer-International Union Against Cancer staging manual [Ainbinder] 1256 (Au)

Limited sampling of radical prostatectomy specimens with excellent preservation of prognostic parameters of prostate cancer [Kim] 1278 (Au)

Number of lymph nodes examined and associated clinicopathologic factors in colorectal carcinoma [Shen] 781 (My)

Pathology of breast carcinomas after neoadjuvant chemotherapy: an overview with recommendations on specimen processing and reporting [Sahoo] 633 (Ap)

Primary intraosseous squamous cell carcinoma of the jaws: clinicopathologic presentation and prognostic factors [Huang] 1834 (No)

Protocol for the examination of specimens from patients with carcinoma of the prostate gland [Srigley] 1568 (Oc)

Protocol for the examination of specimens from patients with ductal carcinoma in situ of the breast [Lester] 15 (Ja)

Protocol for the examination of specimens from patients with primary carcinomas of the colon and rectum [Stewart] (letter) [Washington] (reply) 1360 (Se)

Protocol for the examination of specimens from patients with primary non-small cell carcinoma, small cell carcinoma, or carcinoid tumor of the lung [Butnor] 1552 (Oc)

The 7th edition AJCC staging system for eye cancer: an international language for ophthalmic oncology [Finger] 1197 (Au)

A TNM-based clinical staging system of ocular adnexal lymphomas [Coupland] 1262 (Au)

Update in neoplastic lung diseases and mesothelioma [Gordon] 1106 (Jy)

The value of transcapsular invasion in patients with thymoma [Venuta] (letter) 1364 (Se)

## **Neoplasm, Residual**

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Morphogenomics and morphoproteomics: a role for anatomic pathology in personalized medicine [Brown] 568 (Ap)

Pathology of breast carcinomas after neoadjuvant chemotherapy: an overview with recommendations on specimen processing and reporting [Sahoo] 633 (Ap)

## **Neoplasms**

Unexpected neoplasia in autopsies: potential implications for tissue and organ safety [Sens] 1923 (De)

## **Neoplasms, Complex and Mixed**

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Mixed epithelial and stromal tumors of the kidney: an overview [Mohanty] 1483 (Se)

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## **Neoplasms, Cystic, Mucinous, and Serous**

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An algorithmic approach to the diagnosis of pancreatic neoplasms [Klimstra] 454 (Mr)

Molecular alterations in exocrine neoplasms of the pancreas [Ranganathan] 405 (Mr)

Nonneoplastic mimickers of pancreatic neoplasms [Zamboni] 439 (Mr)

Pancreatic cysts: pathologic classification, differential diagnosis, and clinical implications [Basturk] 423 (Mr)

Pancreatic cytopathology: a practical approach and review [Bellizzi] 388 (Mr)

Pseudomyxoma peritonei associated with primary mucinous borderline tumor of the renal pelvicalyceal system [Rao] 1472 (Se) [correction, 1512 (Oc)]

**Neoplasms, Fibroepithelial**

Recurrent challenges in the evaluation of fibroepithelial lesions [Giri] 713 (My)

**Neoplasms, Germ Cell and Embryonal**

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Spermatocytic seminoma [Aggarwal] 1985 (De)

**Neoplasms, Glandular and Epithelial**

Current concepts in cervical pathology [Park] 729 (My)

Endocrine neoplasms of the pancreas: pathologic and genetic features [Capelli] 350 (Mr)

Familial pancreatic cancer [Shi] 365 (Mr)

Mixed epithelial and stromal tumors of the kidney: an overview [Mohanty] 1483 (Se)

New variants of epithelial-myoepithelial carcinoma: oncocytic-sebaceous and apocrine [Seethala] 950 (Je)

**Neoplasms, Multiple Primary**

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Carcinomas of the pancreas, gallbladder, extrahepatic bile ducts, and ampulla of Vater share a field for carcinogenesis: a population-based study [Henson] 67 (Ja)

**Neoplasms, Radiation-Induced**

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Angiosarcoma, radiation-associated angiosarcoma, and atypical vascular lesion [Lucas] 1804 (No)

**Neoplasms, Second Primary**

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Pseudomyxoma peritonei associated with primary mucinous borderline tumor of the renal pelvicalyceal system [Rao] 1472 (Se) [correction, 1512 (Oc)]

**Neoplasms, Unknown Primary**

Lymph node melanosis in a patient with metastatic melanoma of unknown primary [Malafronte] 1332 (Au)

**Neoplastic Cells, Circulating**

Circulating tumor cells from well-differentiated lung adenocarcinoma retain cytomorphologic features of primary tumor type [Marrinucci] 1468 (Se)

Circulating tumor cells: seeing is believing [Fischer] 1367 (Se)

**Neoplastic Stem Cells**

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Morphogenomics and morphoproteomics: a role for anatomic pathology in personalized medicine [Brown] 568 (Ap)

**Neovascularization, Pathologic**

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Histopathologic risk factors in retinoblastoma in India [Gupta] 1210 (Au)

**Nephrectomy**

Diagnosing nonneoplastic lesions in nephrectomy specimens [Truong] 189 (Fe)

Nonneoplastic kidney diseases in adult tumor nephrectomy and nephroureterectomy specimens: common, harmful, yet underappreciated [Henriksen] 1012 (Jy)

**Nephritis, Hereditary**

Alport syndrome and thin glomerular basement membrane nephropathy: a practical approach to diagnosis [Haas] 224 (Fe)

**Nephritis, Interstitial**

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Detection, distribution, and pathologic significance of BK virus strains isolated from patients with kidney transplants, with and without polyomavirus-associated nephropathy [Bolderini] 766 (My)

Nonneoplastic kidney diseases in adult tumor nephrectomy and nephroureterectomy specimens: common, harmful, yet underappreciated [Henriksen] 1012 (Jy)

Renal disease in systemic lupus erythematosus with emphasis on classification of lupus glomerulonephritis: advances and implications [Seshan] 233 (Fe)

Renal lesions associated with plasma cell dyscrasias: practical approach to diagnosis, new concepts, and challenges [Herrera] 249 (Fe)

**Nephrocalcinosis**

Nephrogenic systemic fibrosis: a pathologic study of autopsy cases [Koreishi] 1943 (De)

**Nephrogenic Fibrosing Dermopathy**

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**Nephrology**

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**Nephrons**

Focal glomerular immune complex deposition: possible role of periglomerular fibrosis/atubular glomeruli [Satoskar] 283 (Fe)

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Nonneoplastic kidney diseases in adult tumor nephrectomy and nephroureterectomy specimens: common, harmful, yet underappreciated [Henriksen] 1012 (Jy)

**Nephrotic Syndrome**

Focal segmental glomerulosclerosis: a morphologic diagnosis in evolution [Thomas] 217 (Fe)

**Neprilysin**

CD10 is expressed in most epithelioid hemangioendotheliomas: a potential diagnostic pitfall [Weinreb] 1965 (De)

Update on immunohistochemical methods relevant to dermatopathology [Wasserman] 1053 (Jy)

**Nervous System Neoplasms**

Update on diagnostic practice: tumors of the nervous system [Pytel] 1062 (Jy)

**Neurilemmoma**

Best practices in diagnostic immunohistochemistry: spindle cell neoplasms of the gastrointestinal tract [Turner] 1370 (Se)

**Neuroaspergillosis**

Intracranial lesions mimicking neoplasms [Cunliffe] 101 (Ja)

**Neuroblastoma**

Undifferentiated malignant neoplasms of the sinonasal tract [Wenig] 699 (My)

**Neurocysticercosis**

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**Neuroectodermal Tumor, Melanotic**

Paratesticular paraganglioma: a rare cause of an intracranial mass [Gupta] 811 (My)

**Neuroectodermal Tumors, Primitive**

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Update on diagnostic practice: tumors of the nervous system [Pytel] 1062 (Jy)

**Neuroendocrine Tumors**

Update on immunohistochemical methods relevant to dermatopathology [Wasserman] 1053 (Jy)

**Neurofibromatosis 1**

Endocrine neoplasms of the pancreas: pathologic and genetic features [Capelli] 350 (Mr)

**Neuroma**

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**Neutropenia**

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**Neutrophils**

Evaluation of microbiologic and hematologic parameters and E-selectin as early predictors for outcome of neonatal sepsis [Zaki] 1291 (Au)

**Nevus, Blue**

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**Nevus, Epithelioid and Spindle Cell**

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Adenocarcinoma in Barrett mucosa treated by endoscopic mucosal resection [Appelman] 1793 (No)

Angiosarcoma, radiation-associated angiosarcoma, and atypical vascular lesion [Lucas] 1804 (No)

Apocrine ductal carcinoma in situ involving a sclerosing lesion with adenosis: report of a case [Visscher] 1817 (No)

Association of cystic neck metastases and human papillomavirus-positive oropharyngeal squamous cell carcinoma [McHugh] 1798 (No)

Carcinoma of the breast with medullary-like features: diagnostic challenges and relationship with BRCA1 and EZH2 functions [Kleer] 1822 (No)

Common diagnostic challenges in the pathology of nonneoplastic lung diseases: a case-based review [Lagstein] 1782 (No)

Current perspectives on the Gleason grading of prostate cancer [Shah] 1810 (No)

New frontiers in pathology [Visscher] 1761 (No)

Ovarian cancer update: lessons from morphology, molecules, and mice [Cho] 1775 (No)

Update on selected salivary gland neoplasms [McHugh] 1763 (No)

**New York City**

Fatal head injury in children younger than 2 years in New York City and an overview of the shaken baby syndrome [Gill] 619 (Ap)

**NF-κB**

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**Nigeria**

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- Protocol for the examination of specimens from patients with primary carcinoma of the colon and rectum [Washington] 1539 (Oc)

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- Flow cytometric immunophenotyping of anaplastic large cell lymphoma [Muzzafar] 49 (Ja)

- Genetic heterogeneity in HER2 testing in breast cancer: panel summary and guidelines [Vance] 611 (Ap)

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- Impact of digital image manipulation in cytology [Pinco] 57 (Ja)

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Primary pulmonary follicular dendritic cell neoplasm: a case report and review of the literature [Denning] 643 (Ap)

#### Sarcoma, Ewing

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Rare nerve lesions of non-nerve sheath origin: a 17-year retrospective series [Strom] 1391 (Se)

#### Sarcoma, Kaposi

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#### Sarcoma, Myeloid

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Sarcomatoid Renal Cell Carcinoma see Carcinoma, Renal Cell

#### Sataloff System see Treatment Outcome

#### Schwannoma see Neuilemmoma

#### Sclerosing Mesenteritis see Panniculitis, Peritoneal

#### Sclerosis

Apocrine ductal carcinoma in situ involving a sclerosing lesion with adenosis: report of a case [Visscher] 1817 (No)

Idiopathic fibroinflammatory disease of the face, eyelids, and periorbital membrane with immunoglobulin G4-positive plasma cells [Mehta] 1251 (Au)

#### Screening, Cancer see Early Detection of Cancer

#### Seafood

Urine mercury excretion following meso-dimercaptosuccinic acid challenge in fish eaters [Ruha] 87 (Ja)

#### Selection Bias

Should women with abnormal serum thyroid stimulating hormone undergo screening for anemia? [Sahin] (letter) [Lippi] (reply) 1188 (Au)

#### Seminoma

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Spermatocytic seminoma [Aggarwal] 1985 (De)

#### Sentinel Lymph Node Biopsy

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Challenges in breast pathology: new twists on old problems [Tavassoli] 852 (Je)

Comparability of different pathologic protocols in sentinel lymph node evaluation: an analysis of two step-sectioning methods for the same patients with breast cancer [Kannan] 1437 (Se)

Identification and biologic significance of micrometastases in axillary lymph nodes in patients with invasive breast cancer [Sahin] 869 (Je)

#### Sepsis

Evaluation of microbiologic and hematologic parameters and E-selectin as early predictors for outcome of neonatal sepsis [Zaki] 1291 (Au)

#### Sequence Analysis

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Detection, distribution, and pathologic significance of BK virus strains isolated from patients with kidney transplants, with and without polyomavirus-associated nephropathy [Bolderini] 766 (My)

#### Serotonin

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## Serum

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## Sex Cord-Gonadal Stromal Tumors

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## Sex Factors

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Benign fibroblastic polyps of the colon [Huber] 1872 (No)

Clear cell adenocarcinoma of the urinary bladder: a short review [Adeniran] 987 (Je)

Clinical outcomes for "suspicious" category in thyroid fine-needle aspiration biopsy: patient's sex and nodule size are possible predictors of malignancy [Raparia] 787 (My)

Epithelioid sarcoma [Armah] 814 (My)

Hamartoma of the spleen [Lee] 147 (Ja)

Mixed epithelial and stromal tumors of the kidney: an overview [Mohanty] 1483 (Se)

Perivascular epithelioid cell tumor [Armah] 648 (Ap)

Sclerosing hemangioma of the lung [Keylock] 820 (My)

Solid-pseudopapillary neoplasm: a pancreatic enigma [Chakhachiro] 1989 (De)

The spectrum of eosinophilic cystitis in males: case series and literature review [Popescu] 289 (Fe)

## Shaken Baby Syndrome

Fatal head injury in children younger than 2 years in New York City and an overview of the shaken baby syndrome [Gill] 619 (Ap)

## Sialometaplasia, Necrotizing

Necrotizing sialometaplasia: a practical approach to the diagnosis [Carlson] 692 (My)

## Sickle Cell Trait

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Nonneoplastic kidney diseases in adult tumor nephrectomy and nephroureterectomy specimens: common, harmful, yet underappreciated [Henriksen] 1012 (Jy)

## Signal Transduction

The role of KRAS mutation testing in the management of patients with metastatic colorectal cancer [Monzon] 1600 (Oc)

## Sirenomelia see Ectromelia

## Sirrolimus

Emerging therapy-related kidney disease [Arend] 268 (Fe)

## Skeletal Dysplasia see Bone Diseases, Metabolic

## Skilled Nursing Facilities

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## Skin

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## Skin Diseases

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Grover disease (transient acantholytic dermatosis) [Weaver] 1490 (Se)

In situ detection of inflammatory cytokines and apoptosis in pemphigus foliaceus patients [Rodrigues] 97 (Ja)

Nephrogenic systemic fibrosis: a pathologic study of autopsy cases [Koreishi] 1943 (De)

## Skin Neoplasms

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Angiosarcoma, radiation-associated angiosarcoma, and atypical vascular lesion [Lucas] 1804 (No)

Prognostic value of E-cadherin,  $\beta$ -catenin, CD44v6, and HER2/neu in metastatic cutaneous adenocarcinoma [Pozdnyakova] 1285 (Au)

Protocol for the examination of specimens from patients with melanoma of the skin [Frisberg] 1560 (Oc)

Subcutaneous panniculitis-like T-cell lymphoma: redefinition of diagnostic criteria in the recent World Health Organization-European Organization for Research and Treatment of Cancer classification for cutaneous lymphomas [Parveen] 303 (Fe)

Update on immunohistochemical methods relevant to dermatopathology [Wasserman] 1053 (Jy)

## Skull Neoplasms

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The pathology and genetics of metastatic pancreatic cancer [Yachida] 413 (Mr)

## Smoking

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## u-Smooth Muscle Actin see Actins

## Smooth Muscle Tumor

Best practices in diagnostic immunohistochemistry: spindle cell neoplasms of the gastrointestinal tract [Turner] 1370 (Se)

Epstein-Barr virus-associated smooth muscle tumor of the iris in a patient with transplant: a case report and review of the literature [Yu] 1238 (Au)

## Societies, Medical

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Implementation of American Society of Clinical Oncology/College of American Pathologists HER2 Guideline Recommendations in a tertiary care facility increases HER2 immunohistochemistry and fluorescence in situ hybridization concordance and decreases the number of inconclusive cases [Middleton] 775 (My)

Resident preparation for practice: a white paper from the College of American Pathologists and Association of Pathology Chairs [Talbert] 1139 (Jy)

## Soft Tissue Diseases

Nephrogenic systemic fibrosis: a pathologic study of autopsy cases [Koreishi] 1943 (De)

## Soft Tissue Neoplasms

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Epithelioid sarcoma [Armah] 814 (My)

Perivascular epithelioid cell tumor [Armah] 648 (Ap)

Update on immunohistochemical methods relevant to dermatopathology [Wasserman] 1053 (Jy)

## Software

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Pathology and imaging in biomarker development [Jaffe] 547 (Ap)

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## Solitary Fibrous Tumors

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Best practices in diagnostic immunohistochemistry: spindle cell neoplasms of the gastrointestinal tract [Turner] 1370 (Se)

## Solvent Inhalation see Inhalation Exposure

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SPECIAL SERIES see Insights and Controversies in Pathology

## Specialty Boards

College of American Pathologists considerations for the delineation of pathology clinical privileges [Catalano] 613 (Ap)

## Specimen Handling

Adequate histologic sampling of breast magnetic resonance imaging-guided core needle biopsy [Cornea] 1961 (De)

Can GEWF solution improve the retrieval of lymph nodes from colorectal cancer resections? [Gregurek] 83 (Ja)

Coronal serial sequential sampling of breast specimen in the assessment of the extent of ductal carcinoma in situ [Mail] (letter) [Bose] (reply) 1362 (Se)

Correction factors for estimating potassium concentrations in samples with in vitro hemolysis: a detriment to patient safety [Mansour] 960 (Je)

The effectiveness of inked needle core prostate biopsies for preventing patient specimen identification errors: a technique to address Joint Commission patient safety goals in specialty laboratories [Raff] 295 (Fe)

Erroneous detection of hypercalcemia in specimens stored in Greiner Bio-One Vacuette Plasma Separator Tubes and analyzed by the Arsenazo III methodology [Ritter] (letter) 1363 (Se)

Examination of specimens from patients with ductal carcinoma in situ of the breast using large-format

histology sections [Tot] (letter) [Amin] (reply) 1361 (Se)

Improvement of coagulation laboratory practice in Thailand: the first-year experience of the National External Quality Assessment Scheme for Blood Coagulation [Tientadaku] 72 (Ja)

Laboratory sanctions for proficiency testing sample referral and result communication: a review of actions from 1993-2006 [Killeen] 979 (Je)

Limited sampling of radical prostatectomy specimens with excellent preservation of prognostic parameters of prostate cancer [Kim] 1278 (Au)

Mitotic index of invasive breast carcinoma: achieving clinically meaningful precision and evaluating tertial cutoffs [Meyer] 1826 (No)

Pancreatic cytopathology: a practical approach and review [Bellizzi] 388 (Mr)

Pathology of breast carcinomas after neoadjuvant chemotherapy: an overview with recommendations on specimen processing and reporting [Sahoo] 633 (Ap)

Patient misidentification in Papanicolaou tests: a systems-based approach to reducing errors [Meyer] 1297 (Au)

Protocol for the examination of specimens from patients with ductal carcinoma in situ of the breast [Lester] 15 (Ja)

Reengineered workflow in the anatomic pathology laboratory: costs and benefits [Grimm] 601 (Ap)

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Standards to support information systems integration in anatomic pathology [Daniel] 1841 (No)

Strategies for improving the collection of 24-hour urine for analysis in the clinical laboratory: redesigned instructions, opinion surveys, and application of reference change value to micriturion [Torno] 1954 (De)

Tissue floaters and contaminants in the histology laboratory [Platt] 973 (Je)

Unsatisfactory reporting rates: 2006 practices of participants in the College of American Pathologists Interlaboratory Comparison Program in Gynecologic Cytology [Moriarty] 1912 (De)

Spectrometry, Mass, Matrix-Assisted Laser Desorption-Ionization

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## Spectroscopy, Near-Infrared

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

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Speech Recognition Software

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Spingomyelins

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Spinal Cord Compression

Hepatocellular carcinoma metastases to the epidural space [Somerset] 1975 (De)

Spinal Neoplasms

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Hepatocellular carcinoma metastases to the epidural space [Somerset] 1975 (De)

Spitz Nevus see Nevus, Epithelioid and Spindle Cell

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Hamartoma of the spleen [Lee] 147 (Ja)

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Hamartoma of the spleen [Lee] 147 (Ja)

Spondyloepiphyseal Dysplasia Congenita see Osteochondrodysplasias

Staining and Labeling

Tissue floaters and contaminants in the histology laboratory [Platt] 973 (Je)

STAT3 Transcription Factor

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Statins see Hydroxymethylglutaryl-CoA Reductase Inhibitors

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Mitotic index of invasive breast carcinoma: achieving clinically meaningful precision and evaluating tertial cutoffs [Meyer] 1826 (No)

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Stomach Diseases

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Stomach Neoplasms

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Stomach Ulcer

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**Stromal Cells**

Mixed epithelial and stromal tumors of the kidney: an overview [Mohanty] 1483 (Se)  
Pseudoangiomatous stromal hyperplasia of the breast [AbdullGaffar] 1335 (Au)

**Strongyloides**

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**Succimer**

Urine mercury excretion following *meso*-dimercaptosuccinic acid challenge in fish eaters [Ruha] 87 (Ja)

**Superior Vena Cava Syndrome**

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**Suppuration**

Anterior diffuse retinoblastoma: mutational analysis and immunofluorescence staining [Crosby] 1215 (Au)

**Survival**

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**Synoptic Reporting see Medical Records**

**Syngoma**

Infiltrating syringomatous adenoma of the nipple: clinical presentation and literature review [Oo] 1487 (Se)

**Systems Integration**

Standards to support information systems integration in anatomic pathology [Daniell] 1841 (No)

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**Tandem Repeat Sequences**

Segmental tandem triplication of the *MLL* gene in an intravascular large B-cell lymphoma with multisystem involvement: a comprehensive morphologic, immunophenotypic, cytogenetic, and molecular cytogenetic aneuploidy study [Deisch] 1477 (Se)

**Teaching**

Strategies for improving the collection of 24-hour urine for analysis in the clinical laboratory: redesigned instructions, opinion surveys, and application of reference change value to micriturion [Tormo] 1954 (De)

**Teaching Materials**

Crossword puzzles: active learning in undergraduate pathology and medical education [Saxena] 1457 (Se)

**Technology**

Challenges of the "omics" future and pathology informatics systems: are we—pathologists, clinicians, and consumers—ready [Yee] 938 (Je)  
What hematopathology tells us about the future of pathology informatics [Hess] 908 (Je)

**Technology Transfer**

Keynote address—the innovator's prescription: an examination of the future of health care through the lenses of disruptive innovation [Hwang] 513 (Ap)  
Practice evolution: decentralized computer-assisted immunohistochemical image analysis [Friedberg] 597 (Ap)

Risks and rewards of pathology innovation: the academic pathology department as a business incubator [Weinstein] 580 (Ap)

The role of pathologists in the era of personalized medicine [Walk] 605 (Ap)

**Telepathology**

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Impact of digital image manipulation in cytology [Pinco] 57 (Ja)

Risks and rewards of pathology innovation: the academic pathology department as a business incubator [Weinstein] 580 (Ap)

Whole-slide imaging digital pathology as a platform for teleconsultation: a pilot study using paired subspecialty correlations [Wilbur] 1949 (De)

**Temozolomide see Antineoplastic Agents**

**Teratoma**

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Correction: choroid plexus carcinoma [Gopal] (letter) 680 (My)

**Terminology**

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Arteriosclerosis: rethinking the current classification [Fishbein] 1309 (Au)

Crossword puzzles: active learning in undergraduate pathology and medical education [Saxena] 1457 (Se)

Guidelines for the reporting of nongynecological cytopathology specimens [Crothers] 1743 (No)

The 7th edition AJCC staging system for eye cancer: an international language for ophthalmic oncology [Finger] 1197 (Au)

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**Testicular Neoplasms**

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Paratesticular paraganglioma: a rare cause of an intrascrotal mass [Gupta] 811 (My)

Spermatocytic seminoma [Aggarwal] 1985 (De)

**Thailand**

Improvement of coagulation laboratory practice in Thailand: the first-year experience of the National External Quality Assessment Scheme for Blood Coagulation [Tientadukul] 72 (Ja)

**THEME ISSUE see Ophthalmic Pathology**

**Therapy, Computer-Assisted**

Medical imaging workstations: what is missing and what is coming [Vannier] 542 (Ap)

**Thoracic Neoplasms**

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**Thrombocytopenia**

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Drug-induced thrombocytopenia [Kenney] 309 (Fe)

**Thrombosis**

Emerging therapy-related kidney disease [Arend] 268 (Fe)

**Thymoma**

The value of transcapsular invasion in patients with thymoma [Venuta] (letter) 1364 (Se)

**Thymus Gland**

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

**Thyroid Diseases**

Nephrogenic systemic fibrosis: a pathologic study of autopsy cases [Koreishi] 1943 (De)

**Thyroid Neoplasms**

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Clinical outcomes for "suspicious" category in thyroid fine-needle aspiration biopsy: patient's sex and nodule size are possible predictors of malignancy [Raparia] 787 (My)

Problems and controversies in the histopathology of thyroid carcinomas of follicular cell origin [Ghossein] 683 (My)

The T1799A *BRAF* mutation is absent in cribriform-mucinous variant of papillary carcinoma [Schuetz] 803 (My)

**Thyroid Nodule**

Clinical outcomes for "suspicious" category in thyroid fine-needle aspiration biopsy: patient's sex and nodule size are possible predictors of malignancy [Raparia] 787 (My)

**Thyroid Transcription Factor 1 see Transcription Factors**

**Thyrotropin**

Should women with abnormal serum thyroid stimulating hormone undergo screening for anemia? [Sahin] (letter) [Lippi] (reply) 1188 (Au)

**Thyroxine**

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

**Ticlodipine**

Emerging therapy-related kidney disease [Arend] 268 (Fe)

**Time Factors**

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Biomarkers in anatomic pathology: adding value to diagnosis [Hunt] 532 (Ap)

Erroneous detection of hypercalcemia in specimens stored in Greiner Bio-One Vacutette Plasma Separator Tubes and analyzed by the Arsenazo III methodology [Ritter] (letter) 1363 (Se)

From the incandescent light bulb to digital pathology: corporate innovation as an engine for change [Montalto] 550 (Ap)

Increasing the efficiency of autopsy reporting [Siebert] 1932 (De)

Physician satisfaction with clinical laboratory services: a College of American Pathologists Q-Probes study of 138 institutions [Jones] 38 (Ja)

Pulmonary site bioprotheses: morphologic findings in 40 cases [Soor] 797 (My)

**Tissue and Organ Procurement**

Unexpected neoplasia in autopsies: potential implications for tissue and organ safety [Sens] 1923 (De)

**Tissue Banks**

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Henrietta Lacks, HeLa cells, and cell culture contamination [Lucey] 1463 (Se)

**Tissue Donors**

Unexpected neoplasia in autopsies: potential implications for tissue and organ safety [Sens] 1923 (De)

**Tissue Fixation**

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Can GEWF solution improve the retrieval of lymph nodes from colorectal cancer resections [Gregurek] 83 (Ja)

The renal biopsy [Walker] 181 (Fe)

**Tissue Plasminogen Activator**

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

**TMPS2-ERG Fusion Protein, Human see Oncogene Proteins, Fusion**

**TMPS2-ETS Fusion Protein, Human see Oncogene Proteins, Fusion**

**Toluene**

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

**Tomography, X-Ray Computed**

Virtophy: postmortem imaging of laryngeal foreign bodies [Oesterhelweg] 806 (My)

**Tonsillar Neoplasms**

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**Tonsillitis**

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

**Toxoplasmosis, Cerebral**

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

**Tracheoesophageal Fistula**

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

**Transcription Factors**

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Update on immunohistochemical methods relevant to dermatopathology [Wasserman] 1053 (Jy)

**Translocation, Genetic**

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Molecular biology underlying the clinical heterogeneity of prostate cancer: an update [Mackinnon] 1033 (Jy)

Recent developments in the pathology of renal tumors: morphology and molecular characteristics of select entities [Yan] 1026 (Jy)

**Transplantation**

Unexpected neoplasia in autopsies: potential implications for tissue and organ safety [Sens] 1923 (De)

**Transplantation, Autologous**

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

**Treatment Outcome**

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Integrated diagnostics and the future of health care: corporate innovation as an engine for change [Ok-rongly] 553 (Ap)

Morphogenomics and morphoproteomics: a role for anatomic pathology in personalized medicine [Brown] 568 (Ap)

Morphologic features of adenocarcinoma of the lung: predictive of response to the epidermal growth factor receptor kinase inhibitors erlotinib and gefitinib [Zakowski] 470 (Mr)

p38 Mitogen-activated protein kinase and hematologic malignancies [Feng] 1850 (No)

Pathology and radiology beyond looking: pictures [Li] 587 (Ap)

Pathology of breast carcinomas after neoadjuvant chemotherapy: an overview with recommendations

on specimen processing and reporting [Sahoo] 633 (Ap)

**Personalized medicine and pathology: friend or foe** [Aspinall] 527 (Ap)

**Phenotyping studies of clonotypic B lymphocytes from patients with multiple myeloma by flow cytometry** [Conway] 1594 (Oc)

**Resolution of giant cell myocarditis after extended ventricular assistance** [Eid] 138 (Ja)

**The role of KRAS mutation testing in the management of patients with metastatic colorectal cancer** [Monzon] 1600 (Oc)

**The role of pathologists in the era of personalized medicine** [Walk] 605 (Ap)

**Systems approach to the practice of pathology: a new role for the pathologist** [Costa] 524 (Ap)

**What hematopathology tells us about the future of pathology informatics** [Hess] 908 (Je)

**Treatment Response Evaluation see Treatment Outcome Trends**

**Tretinoin**

The current face of ophthalmic pathology [Chávez-Barrios] 1195 (Au)

Fellowship trends of pathology residents [Lagwinski] 1431 (Se)

Update in surgical pathology [Husain] 1010 (Jy)

**Triage**

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

**Human papillomavirus typing and viral gene expression analysis for the triage of women with abnormal results from Papanicolaou test smears to colposcopy** [Antonishyn] 1577 (Oc)

**Increased mean platelet volume in patients with acute coronary syndromes** [Lippi] 1441 (Se)

**Triamcinolone**

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

**Triazines**

Melamine-containing crystals in the urinary tracts of domestic animals: sentinel event? [Lewin-Smith] (letter) 341 (Mr)

**Trisomy**

Segmental tandem triplication of the *MLL* gene in an intravascular large B-cell lymphoma with multisystem involvement: a comprehensive morphologic, immunophenotypic, cytogenetic, and molecular cytogenetic antemortem study [Deisch] 1477 (Se)

**Troponin T**

Increased mean platelet volume in patients with acute coronary syndromes [Lippi] 1441 (Se)

**Tuberculin Test**

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

**Tuberculosis**

Intracranial lesions mimicking neoplasms [Cunliffe] 101 (Ja)

**Tuberculosis**

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

**Tuberosclerosis**

Endocrine neoplasms of the pancreas: pathologic and genetic features [Capelli] 350 (Mr)

Pigmented perivascular epithelioid cell tumor of the kidney [Fukunaga] 1981 (De)

**Tumor Burden**

Clinical outcomes for "suspicious" category in thyroid fine-needle aspiration biopsy: patient's sex and nodule size are possible predictors of malignancy [Raparia] 787 (My)

**Tumor Burden**

Comparative analysis of size estimation by mapping and counting number of blocks with ductal carcinoma in situ in breast excision specimens [Dadmanesh] 26 (Ja)

**Tumor Burden**

Coronal serial sequential sampling of breast specimen in the assessment of the extent of ductal carcinoma in situ [Mai] (letter) [Bose] (reply) 1362 (Se)

Measuring extent of ductal carcinoma in situ in breast excision specimens: a comparison of 4 methods [Grin] 31 (Ja)

Number of lymph nodes examined and associated clinicopathologic factors in colorectal carcinoma [Shen] 781 (My)

Protocol for the examination of specimens from patients with carcinoma of the prostate gland [Srigley] 1568 (Oc)

Protocol for the examination of specimens from patients with ductal carcinoma in situ of the breast [Lester] 15 (Ja)

Protocol for the examination of specimens from patients with invasive carcinoma of the breast [Lester] 1515 (Oc)

Protocol for the examination of specimens from patients with primary carcinoma of the colon and rectum [Washington] 1539 (Oc)

## Tumor Markers, Biological

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

**Anaplastic large cell lymphoma involving the breast: a clinicopathologic study of 6 cases and review of the literature** [Miranda] 1383 (Se)

**Anterior diffuse retinoblastoma: mutational analysis and immunofluorescence staining** [Crosby] 1215 (Au)

**Basal-like breast carcinoma: from expression profiling to routine practice** [Rakha] 860 (Je)

**Best practices in contemporary diagnostic immunohistochemistry: panel approach to hematology lymphoid proliferations** [Garcia] 756 (My)

**Best practices in diagnostic immunohistochemistry: spindle cell neoplasms of the gastrointestinal tract** [Turner] 1370 (Se)

**CD10 is expressed in most epithelioid hemangioendothelioma: a potential diagnostic pitfall** [Weinreb] 1965 (De)

**Challenges in breast pathology: new twists on old problems** [Tavassoli] 852 (Je)

**Challenges in the interpretation of peritoneal cytologic specimens** [Lin] 739 (My)

**Chromosomal 3 and 8 status within hepatic metastasis of uveal melanoma** [Singh] 1223 (Au)

**Chronic pancreatitis and the differential diagnosis versus pancreatic cancer** [Klöppel] 382 (Mr)

**c-Kit expression in spindle cell melanoma—a diagnostic pitfall in anorectal biopsy** [Pelle] (letter) 1189 (Au)

**Correction: choroid plexus carcinoma** [Gopal] (letter) 680 (My)

**Current concepts in cervical pathology** [Park] 729 (My)

**Endocrine neoplasms of the pancreas: pathologic and genetic features** [Capelli] 350 (Mr)

**Epithelioid sarcoma** [Armah] 814 (My)

**Expression of CD117 in primary anorectal malignant melanoma** [Laforgia] (letter) 176 (Fe)

**Gene expression-based prognostic and predictive markers for breast cancer: a primer for practicing pathologists** [Kim] 855 (Je)

**Guidelines for pathologic diagnosis of malignant mesothelioma: a consensus statement from the International Mesothelioma Interest Group** [Husain] 1317 (Au)

**Human papillomavirus typing and viral gene expression analysis for the triage of women with abnormal results from Papanicolaou test smears to colposcopy** [Antonishyn] 1577 (Oc)

**Implementation of American Society of Clinical Oncology/College of American Pathologists HER2 Guideline Recommendations in a tertiary care facility increases HER2 immunohistochemistry and fluorescence in situ hybridization concordance and decreases the number of inconclusive cases** [Middleton] 775 (My)

**Lobular neoplasia of the breast: an update** [Contreras] 1116 (Jy)

**Lymph node melanosis in a patient with metastatic melanoma of unknown primary** [Malafronte] 1332 (Au)

**Morphogenomics and morphoproteomics: a role for anatomic pathology in personalized medicine** [Brown] 568 (Ap)

**The pathology and genetics of metastatic pancreatic cancer** [Yachida] 413 (Mr)

**Pathology of breast carcinomas after neoadjuvant chemotherapy: an overview with recommendations on specimen processing and reporting** [Sahoo] 633 (Ap)

**Perivascular epithelioid cell tumor** [Armah] 648 (Ap)

**Primary intestinal intraepithelial natural killer-like T-cell lymphoma: case report of a distinct clinicopathologic entity** [Muram-Zborovskii] 133 (Ja)

**Primary pulmonary follicular dendritic cell neoplasm: a case report and review of the literature** [Denning] 643 (Ap)

**Prognostic value of E-cadherin,  $\beta$ -catenin, CD44v6, and HER2/*neu* in metastatic cutaneous adenocarcinoma** [Pozdnyakova] 1285 (Au)

**Protocol for the examination of specimens from patients with carcinoma of the prostate gland** [Srigley] 1568 (Oc)

**Protocol for the examination of specimens from patients with invasive carcinoma of the breast** [Lester] 1515 (Oc)

**Protocol for the examination of specimens from patients with melanoma of the skin** [Frisberg] 1560 (Oc)

**Protocol for the examination of specimens from patients with primary carcinoma of the colon and rectum** [Washington] 1539 (Oc)

**Protocol for the examination of specimens from patients with primary non-small cell carcinoma, small cell carcinoma, or carcinosarcoma of the lung** [Butnor] 1552 (Oc)

**Recent developments in liver pathology** [Yan] 1078 (Jy)

**Recent developments in the pathology of renal tumors: morphology and molecular characteristics of select entities** [Yan] 1026 (Jy)

**Recurrent challenges in the evaluation of fibroepithelial lesions** [Giri] 713 (My)

**The role of pathologists in the era of personalized medicine** [Walk] 605 (Ap)

**Segmental tandem triplication of the *MLL* gene in an intravascular large B-cell lymphoma with multisystem involvement: a comprehensive morphologic, immunophenotypic, cytogenetic, and molecular cytogenetic antemortem study** [Deisch] 1477 (Se)

**Standardization of HER2 immunohistochemistry in breast cancer by automated quantitative analysis** [Gustavson] 1413 (Se)

**Undifferentiated malignant neoplasms of the sinonasal tract** [Wenig] 699 (My)

**Update on immunohistochemical methods relevant to dermatopathology** [Wasserman] 1053 (Jy)

**Utility of immunohistochemistry for endothelial markers in distinguishing epithelioid hemangioendothelioma from carcinoma metastatic to bone** [Gill] 967 (Je)

**Tumor Necrosis Factor  $\alpha$**

Emerging therapy-related kidney disease [Arend] 268 (Fe)

**In situ detection of inflammatory cytokines and apoptosis in pemphigus foliaceus patients** [Rodrigues] 97 (Ja)

**Tumor Volume see Tumor Burden**

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**Type IV Collagen  $\alpha 3$  Chain see Collagen Type IV**

## U

**Umbilical Cord**

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**University of Chicago Current Issues in Surgical Pathology**

**Diffuse large B-cell lymphoma—more than a diffuse collection of large B cells: an entity in search of a meaningful classification** [Curbuxani] 1121 (Jy)

**Frozen section and the surgical pathologist: a point of view** [Taxy] 1135 (Jy)

**Insights into selected genetic diseases affecting the female reproductive tract and their implication for pathologic evaluation of gynecologic specimens** [Gwin] 1041 (Jy)

**Lobular neoplasia of the breast: an update** [Contreras] 1116 (Jy)

**Molecular biology underlying the clinical heterogeneity of prostate cancer: an update** [Mackinnon] 1033 (Jy)

**Nonneoplastic kidney diseases in adult tumor nephrectomy and nephroureterectomy specimens: common, harmful, yet underappreciated** [Henriksen] 1012 (Jy)

**Recent developments in liver pathology** [Yan] 1078 (Jy)

**Recent developments in the pathology of renal tumors: morphology and molecular characteristics of select entities** [Yan] 1026 (Jy)

**Update in neoplastic lung diseases and mesothelioma** [Gordon] 1106 (Jy)

**Update in nonneoplastic lung diseases** [Gordon] 1096 (Jy)

**Update in surgical pathology** [Husain] 1010 (Jy)

**Update on diagnostic practice: tumors of the nervous system** [Pytel] 1062 (Jy)

**Update on esophagitis: controversial and underdiagnosed causes** [Noffsinger] 1087 (Jy)

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**Unnecessary Procedures**

**Commentary on statement on human papillomavirus test utilization** [Cox] 1192 (Au)

**Frozen section and the surgical pathologist: a point of view** [Taxy] 1135 (Jy)

**Ureter**

**Nonneoplastic kidney diseases in adult tumor nephrectomy and nephroureterectomy specimens: common, harmful, yet underappreciated** [Henriksen] 1012 (Jy)

**Ureteral Neoplasms**

**Micropapillary variant of urothelial carcinoma in the upper urinary tract: a clinicopathologic study of 11 cases** [Guo] 62 (Ja)

**Ureteral Obstruction**

**Diagnosing nonneoplastic lesions in nephrectomy specimens** [Truong] 189 (Fe)

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**Strategies for improving the collection of 24-hour urine for analysis in the clinical laboratory: redesigned instructions, opinion surveys, and application of reference change value to micturition** [Tormo] 1954 (De)

**Urinary Bladder Diseases**

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**Histopathologic features and clinical outcomes in 71 cases of bladder diverticula** [Tamas] 791 (My)



The spectrum of eosinophilic cystitis in males: case series and literature review [Popescu] 289 (Fe)

#### Urinary Bladder Neoplasms

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Clear cell adenocarcinoma of the urinary bladder: a short review [Adeniran] 987 (Je)

Histopathologic features and clinical outcomes in 71 cases of bladder diverticula [Tamas] 791 (My)

#### Urinary Tract

Notice of retraction: omission of author in "Malakoplakia outside the urinary tract" (*Arch Pathol Lab Med*. 2007;131[2]:297-300) [Yousef] (letter) 850 (Je)

#### Urinary Tract Infections

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#### Urination

Strategies for improving the collection of 24-hour urine for analysis in the clinical laboratory: redesigned instructions, opinion surveys, and application of reference change value to micturition [Tormo] 1954 (De)

#### Urothelial Carcinoma see Carcinoma, Transitional Cell Urothelium

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#### Usual Interstitial Pneumonia see Idiopathic Interstitial Pneumonias

#### Uterine Cervical Diseases

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Current concepts in cervical pathology [Park] 729 (My)  
Impact of digital image manipulation in cytology [Pinco] 57 (Ja)

#### Uterine Cervical Neoplasms

Abstracts and case studies from the College of American Pathologists 2009 Annual Meeting (CAP '09), 1608 (Oc)

Automatic failure in gynecologic cytology proficiency testing: results from the College of American Pathologists proficiency testing program [Moriarty] 1757 (No)

Challenges in the interpretation of peritoneal cytologic specimens [Lin] 739 (My)

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Current concepts in cervical pathology [Park] 729 (My)

Follow-up findings for women with human papillomavirus-positive and atypical squamous cells of undetermined significance screening test results in a large women's hospital practice [Armah] 1426 (Se)

Henrietta Lacks, HeLa cells, and cell culture contamination [Lucey] 1463 (Se)

Human papillomavirus typing and viral gene expression analysis for the triage of women with abnormal results from Papanicolaou test smears to colposcopy [Antonishyn] 1577 (Oc)

Performance of *Candida*-fungal-induced atypia and proficiency testing: observations from the College of American Pathologists proficiency testing program [Moriarty] 1272 (Au)

Statement on human papillomavirus DNA test utilization [Solomon] 1276 (Au)

#### Uveal Neoplasms

Chromosomal 3 and 8 status within hepatic metastasis of uveal melanoma [Singh] 1223 (Au)

Variation of monosomy 3 status within uveal melanoma [Schoenfeld] 1219 (Au)

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#### Vaginal Smears

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Automatic failure in gynecologic cytology proficiency testing: results from the College of American Pathologists proficiency testing program [Moriarty] 1757 (No)

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Follow-up findings for women with human papillomavirus-positive and atypical squamous cells of undetermined significance screening test results in a large women's hospital practice [Armah] 1426 (Se)

Human papillomavirus typing and viral gene expression analysis for the triage of women with abnormal results from Papanicolaou test smears to colposcopy [Antonishyn] 1577 (Oc)

Impact of digital image manipulation in cytology [Pinco] 57 (Ja)

Patient misidentification in Papanicolaou tests: a systems-based approach to reducing errors [Meyer] 1297 (Au)

Performance of *Candida*-fungal-induced atypia and proficiency testing: observations from the College of American Pathologists proficiency testing program [Moriarty] 1272 (Au)

Performance of herpes simplex challenges in proficiency testing: observations from the College of American Pathologists proficiency testing program [Moriarty] 1379 (Se)

Unsatisfactory reporting rates: 2006 practices of participants in the College of American Pathologists Interlaboratory Comparison Program in Gynecologic Cytology [Moriarty] 1912 (De)

#### Valacyclovir see Antiviral Agents

#### Validation Studies as Topic

Recommended principles and practices for validating clinical molecular pathology tests [Jennings] 743 (My)

#### Vas Deferens

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#### Vascular Diseases

Angiosarcoma, radiation-associated angiosarcoma, and atypical vascular lesion [Lucas] 1804 (No)

Arteriosclerosis: rethinking the current classification [Fishbein] 1309 (Au)

Intracranial lesions mimicking neoplasms [Cunliffe] 101 (Ja)

Nonneoplastic kidney diseases in adult tumor nephrectomy and nephroureterectomy specimens: common, harmful, yet underappreciated [Henriksen] 1012 (Jy)

Renal disease in systemic lupus erythematosus with emphasis on classification of lupus glomerulonephritis: advances and implications [Seshan] 233 (Fe)

#### Vascular Malformations

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#### Vascular Neoplasms

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CD10 is expressed in most epithelioid hemangioendotheliomas: a potential diagnostic pitfall [Weinreb] 1965 (De)

Diffuse large B-cell lymphoma—more than a diffuse collection of large B cells: an entity in search of a meaningful classification [Gurbuxani] 1121 (Jy)

Hamartoma of the spleen [Lee] 147 (Ja)

Segmental tandem triplication of the *MLL* gene in an intravascular large B-cell lymphoma with multisystem involvement: a comprehensive morphologic, immunophenotypic, cytogenetic, and molecular cytogenetic antemortem study [Deisch] 1477 (Se)

Utility of immunohistochemistry for endothelial markers in distinguishing epithelioid hemangioendothelioma from carcinoma metastatic to bone [Gill] 967 (Je)

#### Vasculitis, Central Nervous System

Intracranial lesions mimicking neoplasms [Cunliffe] 101 (Ja)

#### Venous Thromboses

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#### Video Recording

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#### Vimentin

Benign fibroblastic polyps of the colon [Huber] 1872 (No)

#### Virus Activation

Detection, distribution, and pathologic significance of BK virus strains isolated from patients with kidney transplants, with and without polyomavirus-associated nephropathy [Boldorini] 766 (My)

#### Virus Diseases

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#### Vitamin B<sub>12</sub> Deficiency

Should women with abnormal serum thyroid stimulating hormone undergo screening for anemia? [Sahin] (letter) [Lippi] (reply) 1188 (Au)

#### Vitrectomy

Intraocular lymphoma: diagnostic approach and immunophenotypic findings in vitrectomy specimens [Rapar] 1233 (Au)

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#### Voluntary Workers

Pathology services in developing countries [Harder] (letter) 1911 (De)

#### von Hippel-Lindau Disease

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Endocrine neoplasms of the pancreas: pathologic and genetic features [Capelli] 350 (Mr)

Pancreatic cysts: pathologic classification, differential diagnosis, and clinical implications [Basturk] 423 (Mr)

#### Vulvar Neoplasms

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#### Water

Can GEWF solution improve the retrieval of lymph nodes from colorectal cancer resections [Gregurek] 83 (Ja)

#### Wegener Granulomatosis

Common diagnostic challenges in the pathology of nonneoplastic lung diseases: a case-based review [Lagstein] 1782 (No)

#### Whipple Disease

Intracranial lesions mimicking neoplasms [Cunliffe] 101 (Ja)

#### Whole Slide Imaging see Diagnostic Imaging

#### Williams Syndrome

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#### Wolfram Syndrome

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#### Word Processing

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2008) Conference, 1148 (Jy)

#### Workflow see Efficiency, Organizational

#### World Health Organization Classification see Classification

#### Wounds, Nonpenetrating

Fatal head injury in children younger than 2 years in New York City and an overview of the shaken baby syndrome [Gill] 619 (Ap)

#### WSX-1/TCCR see Receptors, Cytokine

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#### XIAP see X-Linked Inhibitor of Apoptosis Protein

#### X-Linked Inhibitor of Apoptosis Protein

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